

Listing of claims:

1-75 (Cancelled)

76. **(currently amended)** An isolated antibody or fragment thereof which specifically binds to an OPG polypeptide consisting of residues 22-401 inclusive of SEQ ID NO:121.

77. **(currently amended)** An isolated antibody or fragment thereof which specifically binds to an OPG polypeptide consisting of residues 22-401 inclusive of SEQ ID NO:123.

78. **(currently amended)** An isolated antibody or fragment thereof which specifically binds to an OPG polypeptide consisting of residues 22-401 inclusive of SEQ ID NO:125.

79. **(currently amended)** The antibody or fragment thereof of Claim 78 which specifically binds to an OPG polypeptide consisting of residues 22-185, 22-189, 22-194 or 22-201 inclusive as shown in SEQ ID NO:125.

80. **(currently amended)** The antibody or fragment thereof of Claims 76, 77, 78 or 79 which is a monoclonal antibody.

81. **(currently amended)** The antibody or fragment thereof of Claims 76, 77, 78 or 79 which is a chimeric antibody.

82. **(currently amended)** The antibody or fragment thereof of Claims 76, 77, 78 or 79 which is a CDR-grafted antibody.

83. **(currently amended)** The antibody or fragment thereof of Claims 76, 77, 78 or 79 which is a humanized antibody.

84. **(currently amended)** The antibody or fragment thereof of Claims 76, 77, 78 or 79 which is a human antibody.

85. **(currently amended)** A method for detecting the presence of OPG in a biological sample comprising:

incubating the sample with the antibody or fragment thereof of Claims 76, 77, 78 or 79
under conditions that allow binding of the antibody to OPG; and
detecting the bound antibody.

86. **(currently amended)** A method for removing OPG from a biological sample
comprising:

contacting the sample with the antibody or fragment thereof of Claims 76, 77, 78 or 79
under conditions that allow binding of the antibody to OPG; and
removing the antibody from the sample.